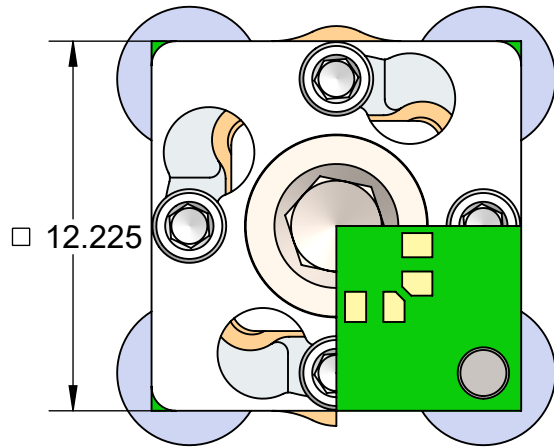


SBT-QLCC DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

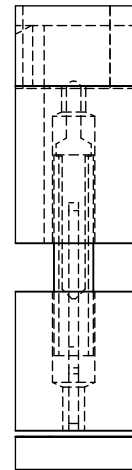
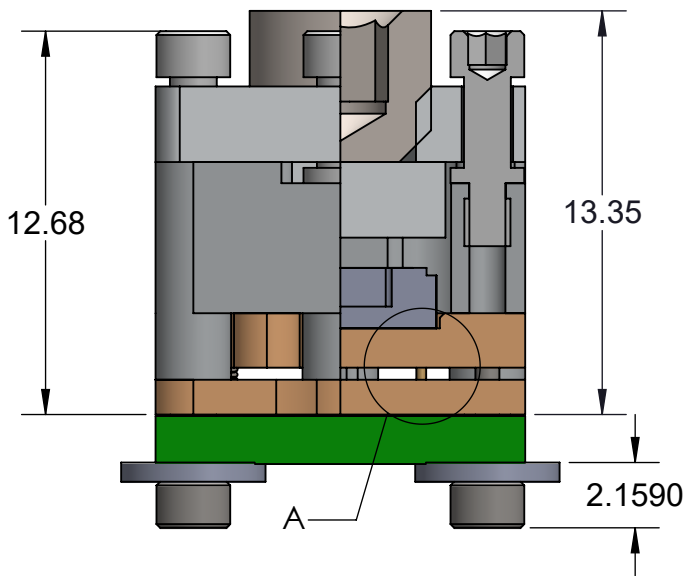


SBT PIN (Scale 20:1)

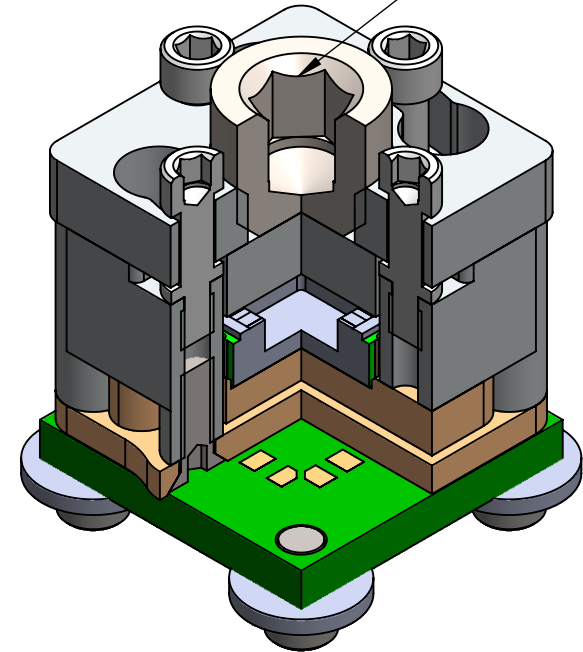
Features

- Wide temperature range (-55C to +155C)
- High current capability (up to 4A)
- Excellent signal integrity at high frequencies
- Low and stable contact resistance for reliable production yield
- Highly compliant to accommodate wide co-planarity variations
- Automated probe manufacturing enables low cost and short lead time

Required torque: 2.26 Ncm (0.2 lbf in)
Recommended Tool: Contact Ironwood




**Detail A
Scale 16:1**

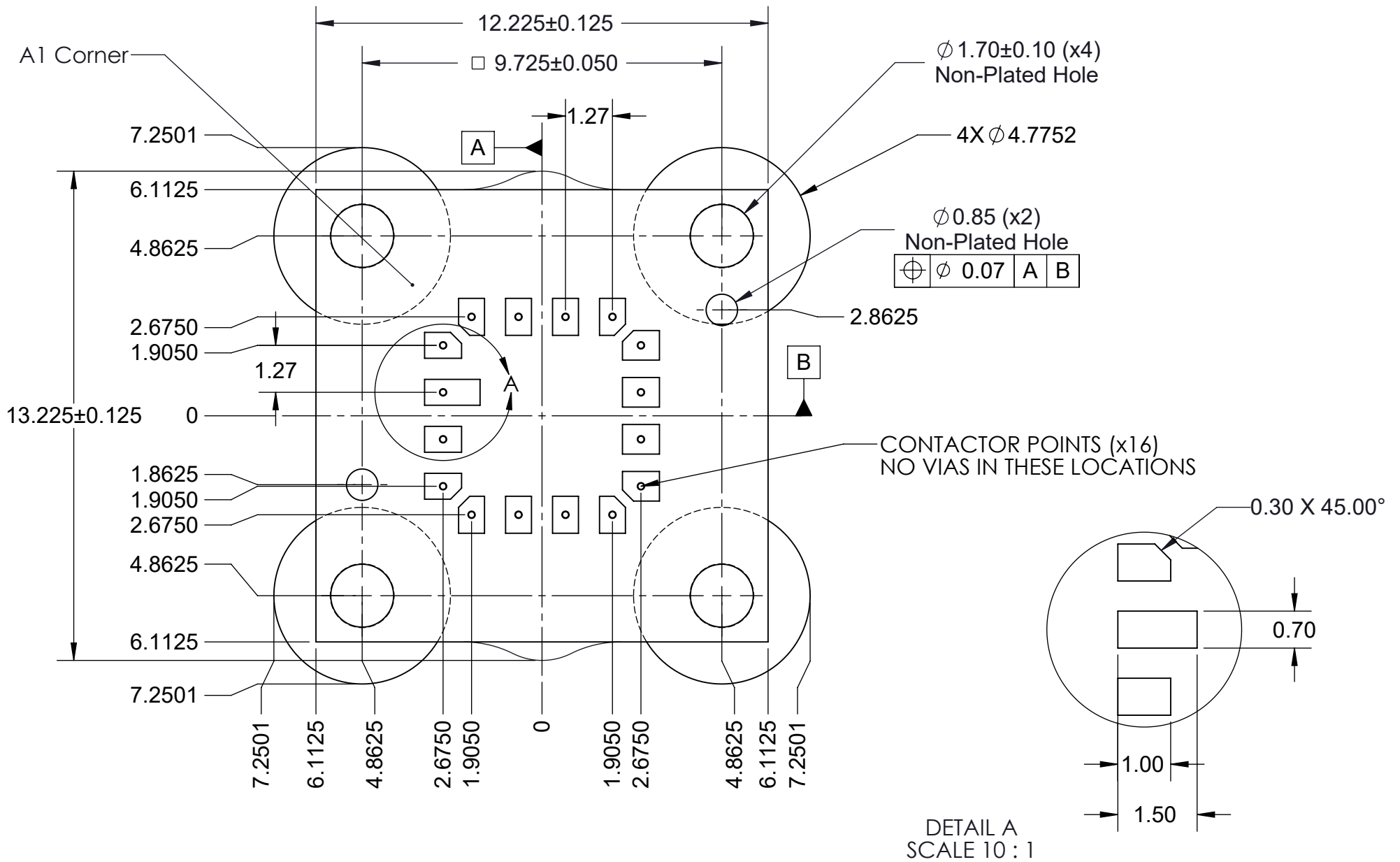


Description: SBT sockt for 16 lead device 6.35x6.35mm 1.27mm pitch

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

 SBT-LCC-1000 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 3.83	STATUS: Released ENG: E. Smolentseva FILE: SBT-LCC-1000 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 1/19/2017	REV. A SCALE: 4:1




Description: Recommended Layout

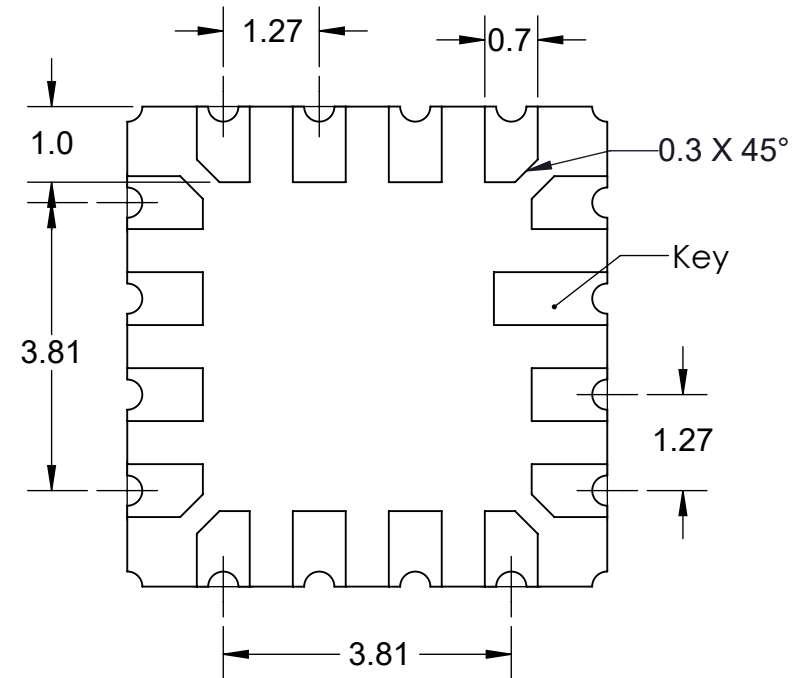
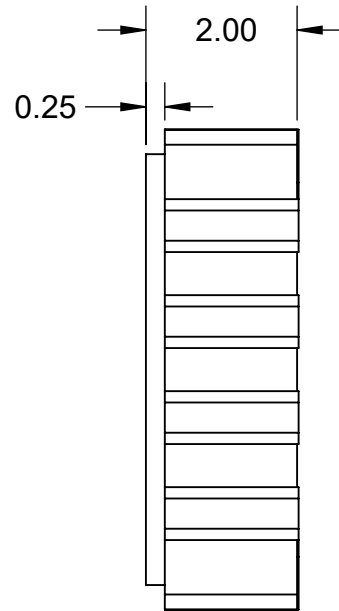
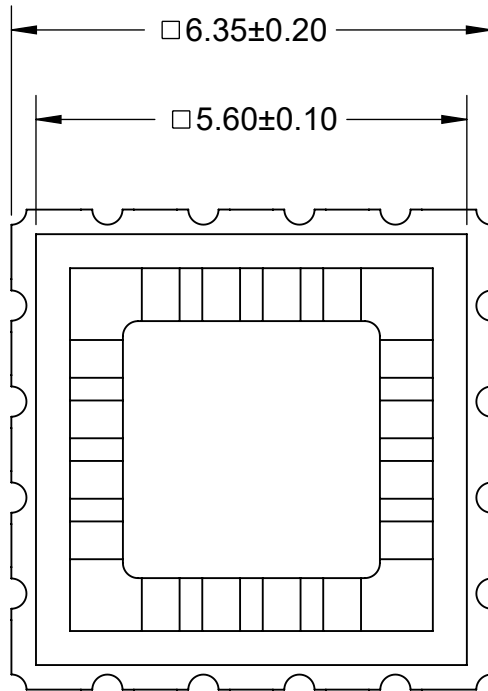
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

Target PCB Recommendations
 Total thickness: 1.6mm min.
 Plating: Gold or Solder finish
 PCB Pad height: Same or higher than solder mask

 SBT-LCC-1000 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 3.83	STATUS: Released ENG: E. Smolentseva FILE: SBT-LCC-1000 Dwg	SHEET: 2 OF 4 DRAWN BY: M. Raske DATE: 1/19/2017	REV. A SCALE: 7:1

QLCC16 package




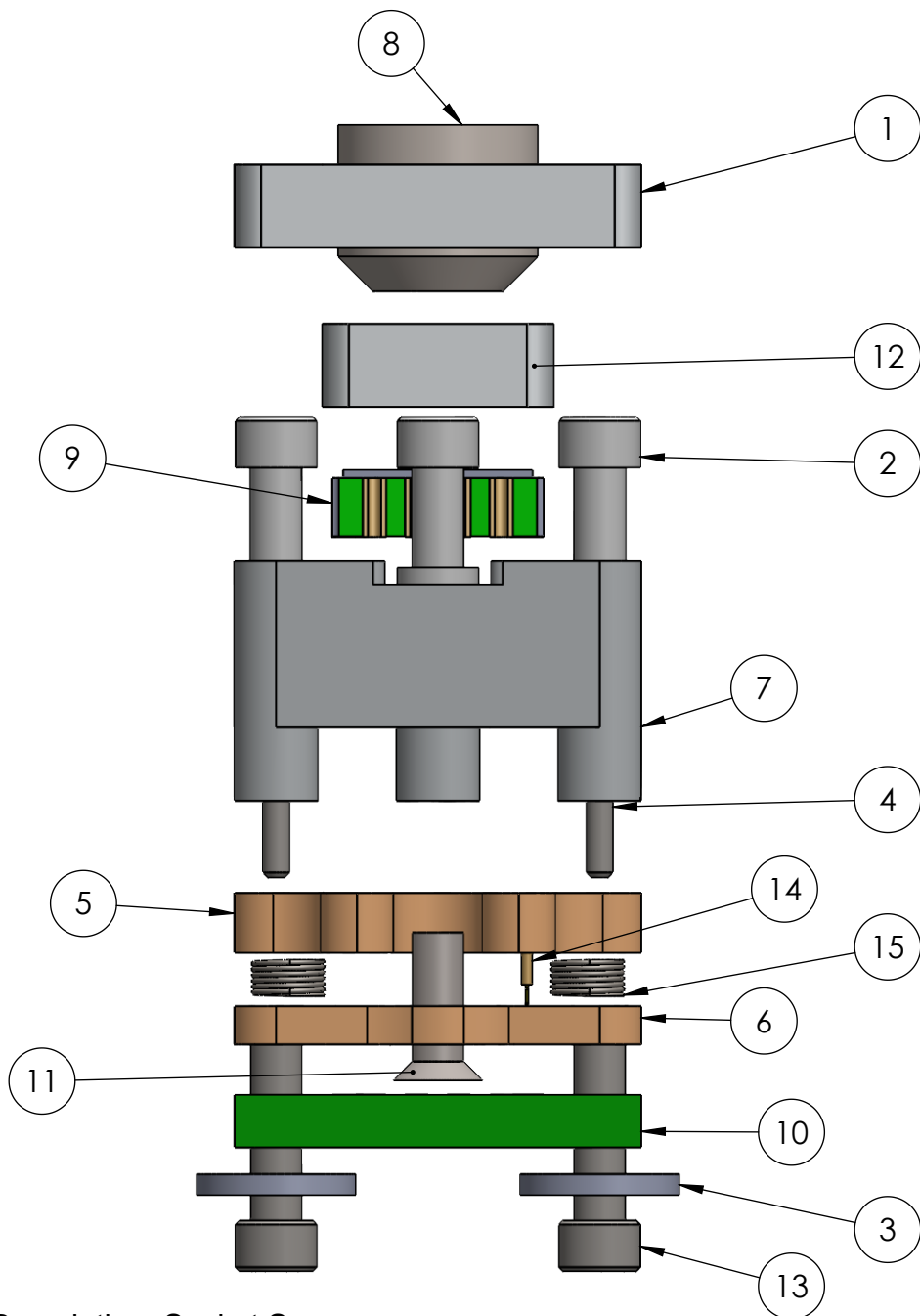
Description: QLCC

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ± 0.0254 mm [± 0.001 "], Pitches (from true position) ± 0.0762 mm [± 0.003 "], substrate thickness tolerance $\pm 10\%$, all other tolerances ± 0.127 mm [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.

Rev	Date	Initials	Description
A	10/31/16	ELS	Original

 <p>©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>SBT-LCC-1000 Drawing</p>	<p>Material: Material <not specified> Finish: Weight: 3.83</p>	<p>STATUS: Released ENG: E. Smolentseva FILE: SBT-LCC-1000 Dwg</p>	<p>SHEET: 3 OF 4 DRAWN BY: M. Raske DATE: 1/19/2017</p>	<p>REV. A SCALE: 10:1</p>
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ITEM NO.	Description	Material
1	Socket Lid 7mm	7075-T6 Aluminum Alloy
2	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel (303)
3	Washer, #0 x .025", Nylon	Nylon 6/6
4	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
5	Top Pin Guide	Semitron MDS 100
6	Bottom Pin Guide	Semitron MDS 100
7	SBT Socket Base 7mm w/ posts for P-P184A	7075-T6 (SN)
8	Compression Screw M6x1	Stainless Steel (18-8)
9	Customer's device	Material <not specified>
10	Customer target PCB	Material <not specified>
11	#0-80, 90 deg., head pin guide screw, Peek material	PEEK unfilled
12	Compression Plate	7075-T6 Alumium Alloy
13	#0-80 Socket Head Cap 0.25" Lenght 18-8 SS	Stainless Steel (18-8)
14	Stamped Pin, 0.4mm SBT-LGA/QFN	N/A
15	Floating Guide Spring	Alloy Steel (SS)

Description: Socket Spec

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters $\pm 0.03\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.025\text{mm}$ [$\pm 0.001"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

 SBT-LCC-1000 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 3.83	STATUS: Released	SHEET: 4 OF 4	REV. A
		ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 4.5:1
		FILE: SBT-LCC-1000 Dwg	DATE: 1/19/2017	